

LVIII.—*Descriptions of new Species of Noctuidæ in the British Museum.* By Sir GEORGE F. HAMPSON, Bart., F.Z.S., &c.

[Continued from p. 386.]

*STICTOPTERINÆ.**Odontodes metamelæna*, sp. n.

♀. Head and thorax reddish brown mixed with grey and fuscous; pectus grey; tarsi black with pale rings; abdomen fuscous slightly mixed with brown and grey, the ventral surface grey irrorated with fuscous. Fore wing suffused with greenish grey; subbasal line double, the inner line indistinct, rufous, curved from costa to submedian fold; antemedial line double, the outer line indistinct, irregularly waved; orbicular represented by a grey point defined by black; a sinuous rufous medial line, oblique from costa to submedian fold, then inwardly oblique; reniform well-developed, with rather irregular brown outline; postmedial line double, dentate, excurved from costa to vein 4, then incurved; subterminal line indistinct, pale, irregularly waved, defined by rufous on inner side, below vein 4 incurved and with broad rufous band before it extending to postmedial line; a terminal series of brown lunules; a fine pale line at base of cilia. Hind wing deep black-brown with a slight blue gloss; underside with the inner area rather paler, traces of a curved medial line.

Hab. S.W. NEW GUINEA, Kapaur (*Doherty*), 1 ♀ type.
Exp. 50 mm.

Stictoptera crinopsis, sp. n.

♀. Head, thorax, and abdomen brown mixed with grey; frons deep black; tegulæ ochreous at base bounded by a deep black line, then greenish grey; metathorax with slight black crest; pectus whitish; legs very long, the tarsi fuscous with pale rings; abdomen with the slight dorsal crests dark. Fore wing grey suffused with brown and irrorated with black, the basal, inner, postmedial, and apical areas darker, the discal area paler; subbasal line double, oblique, black, from costa to vein 1; antemedial line double, curved, minutely waved; orbicular rather u-shaped; reniform concave towards base and with brown central line forming a spot at lower outer side; a black streak on vein 2 from cell to the postmedial line,

which is double, minutely dentate, excurved from costa to vein 4, then incurved, with a rather dentate black mark beyond it below costa; subterminal line only defined by the area beyond it being paler except at apex, angled outwards at vein 7 and excurved at middle; a terminal series of slight dark lunules. Hind wing with the interspaces of basal half pale, the veins and terminal half fuscous; the under-side with dark discoidal lunule showing through to upperside.

Hab. ASHANTI, Obuassi (*Bergmann*), 1 ♀ type. *Exp.* 36 mm.

Stictoptera hemithyris, sp. n.

Head, thorax, and abdomen fuscous brown mixed with some grey; pectus mostly grey; abdomen with the dorsal crests dark, the ventral surface whitish. Fore wing dark reddish brown slightly tinged with grey, the basal area rather darker, the discal area paler; a dark elliptical subbasal patch defined by brown from costa to median nervure; a slightly waved antemedial line with striga of raised black scales beyond it from subcostal nervure to submedian fold; a medial line, oblique from costa to submedian fold; reniform moderate, slightly defined by black; postmedial line double, minutely waved, formed of striæ of raised black scales, bent outwards below costa and incurved below vein 3; a similar single line beyond it defined by ochreous on inner side; a fine pale subterminal line, dentate at veins 6, 7 and incurved below vein 3; a terminal series of black striæ. Hind wing with the interspaces of basal half hyaline, the veins and terminal half fuscous; cilia white at tips; the underside greyer.

Hab. PUNJAB, Manpuri, 1 ♂; BOMBAY, 1 ♀; MADRAS, Cuddapah (*Campbell*), 1 ♀ type. *Exp.* 24-26 mm.

Stictoptera phaeobasis, sp. n.

♀. Head and thorax fuscous brown, mixed with some grey and black; pectus and femora whitish; tarsi fuscous ringed with white; abdomen fuscous with slight whitish segmental lines, a blackish crest on fourth segment, the ventral surface whitish. Fore wing reddish brown, the basal half suffused with black, its outer edge obliquely curved; subbasal line represented by two slight striæ from costa; antemedial line indistinct, waved, defined by whitish on inner side towards inner margin, some striæ of raised black scales beyond it in and below cell; a medial line bounding the

dark area, oblique from costa to submedian fold; reniform incompletely defined by black; postmedial line double, bent outwards below costa, incurved at discal fold and below vein 4; subterminal line strongly dentate, forming a dark mark at costa and incurved below vein 4; a minutely waved dark line just before termen, on which there is a series of black striæ. Hind wing fuscous, with hyaline streaks in the interspaces in, below, and beyond cell, and on middle of inner area; the underside with the inner area whitish.

Hab. PERAK, Gopong (*Küntler*), 1 ♀ type. *Exp.* 32 mm.

Stictoptera leucostriga, sp. n.

♂. Head and thorax red-brown; pectus whitish; tarsi fuscous ringed with white; abdomen fuscous brown with some whitish at base, a blackish crest on fourth segment; the ventral surface white. Fore wing red-brown, sometimes with triangular whitish patch on medial area from just above median nervure to inner margin; subbasal line represented by two slight striæ from costa; two antemedial indistinct lines, approximated below cell, then diverging; reniform with slight ochreous annulus defined by blackish; postmedial line double, strongly bent outwards below costa, then minutely waved, below vein 4 recurved to lower edge of reniform, then excurved again; subterminal line black, its medial part defined on inner side by a white striga, slightly angled inwards below costa and incurved below vein 4; some white points on costa towards apex; a terminal series of black striæ defined by whitish on inner side. Hind wing fuscous, the interspaces of basal half hyaline; cilia with a fine pale line at base.

♀ more fuscous brown; fore wing without the whitish patch on medial area, the two antemedial lines black on inner half forming a somewhat conical mark.

Hab. PENANG (*S. S. Flower*), 1 ♀; PERAK, Gopong (*Küntler*); SINGAPORE (*Ridley*), 1 ♂, 1 ♀ type. *Exp.* 24-28 mm.

Stictoptera ferruginea, sp. n.

♂. Head and thorax rufous; abdomen rufous tinged with fuscous, the anal tuft ochreous, the ventral surface whitish. Fore wing rufous; a faint double subbasal line from costa to submedian fold, angled inwards below costa; a very indistinct, double, minutely waved antemedial line with some dark points on it; a slight discoidal lunule defined by brown; a faint, double, minutely waved postmedial line, with some dark

points on its outer edge, oblique and slightly incurved at discal fold and in submedian interspace; subterminal line indistinct ochreous, minutely dentate, defined by slight dark marks on its inner side below costa and at middle and by a complete series on outer; a terminal series of dark striæ; cilia ochreous with dark points at extremity of the veins. Hind wing uniform fuscous brown; the underside rather paler, with traces of curved postmedial line and diffused subterminal band.

♀ much darker; fore wing with complete series of dark spots before subterminal line.

Hab. BORNEO, Sarawak (*Wallace*), 1 ♀; PULO LAUT (*Doherty*), 2 ♂ type. *Exp.* 30 mm.

Stictoptera anæmia, sp. n.

♀. Palpi with the third joint long and porrect.

Head and thorax whitish tinged with pale brown; frons white; abdomen grey-white with slight dark dorsal crests, the ventral surface white. Fore wing ochreous white; a very oblique, wedge-shaped, brown mark from costa before middle to submedian fold, with a slight erect line from its extremity to inner margin; some slight brownish marks on terminal half of costa; postmedial line represented by a series of dark striæ from vein 7 to inner margin, excurved between veins 5 and 3, then incurved and with some greyish suffusion beyond them; subterminal line whitish, minutely waved, slightly angled outwards at vein 7 and excurved at middle, with small dentate black mark before it and streak beyond it below costa, and slight blackish marks before it and fuscous suffusion beyond it from vein 5 to inner margin; a terminal series of small black lunules defined by white on inner side. Hind wing pale fuscous, the interspaces of basal half hyaline.

Hab. SOLOMON Is., 1 ♀ type. *Exp.* 30 mm.

Stictoptera hypenistis, sp. n.

♂. Head and thorax dull brown; abdomen fuscous, the ventral surface greyish. Fore wing pale reddish brown, slightly irrorated with fuscous, the terminal area darker; traces of a double, irregularly waved antemedial line and of two irregularly waved medial lines; an indistinct irregular discoidal mark, constricted at middle; postmedial line oblique, double, filled in with whitish, the inner line indistinct, the outer strong and with a series of black points beyond it on

the veins; a slight dark dentate subterminal line; a slightly waved black terminal line; cilia fuscous with a fine pale line at base. Hind wing fuscous, the interspaces paler and semihyaline, except on terminal area; cilia with a fine pale line at base; the underside with traces of curved postmedial line.

Hab. BURMA, Hsipaw (*De Nicéville*), 1 ♂ type. *Exp.* 32 mm.

Gyrtona dialeuca, sp. n.

♀. Head and thorax red-brown with white stripes on sides of head and tegulæ and above patagia; palpi whitish at tips; abdomen pale fuscous, whitish at base, the dorsal crests blackish, the ventral surface white. Fore wing rufous with whitish fascia from base of costa through the cell to termen below apex; a white streak on inner margin from near base to subterminal line, towards which it increases in width; two rather interrupted medial lines, bent inwards to costa and terminating at vein 1, where they meet; reniform defined by slight tufts of raised black scales; postmedial line indistinct, double, minutely dentate, bent outwards below costa and oblique below vein 4; subterminal line whitish, excurved at middle, defined by blackish marks before and beyond it at costa and middle and a black spot beyond it above tornus; a terminal series of blackish striæ. Hind wing fuscous brown, the interspaces of basal half semihyaline.

Hab. BORNEO, Sarawak (*Wallace*), 1 ♀ type. *Exp.* 26 mm.

Gyrtona phæozona, sp. n.

Head and thorax reddish brown; palpi and frons blackish; tegulæ with rather strong black medial line; tarsi blackish with pale rings; abdomen brown tinged with fuscous, the ventral surface whitish. Fore wing reddish brown with slight dark irroration; a subbasal black spot on costa; a double curved antemedial line followed by a rather obliquely curved black band with two curved medial lines beyond it; medial area faintly tinged with fuscous; reniform indistinct, rufous with slight dark outline; antemedial line double, filled in with ochreous, the outer line deep black, erect, slightly excurved at middle; terminal area slightly tinged with fuscous; subterminal line indistinct, greyish, defined on outer side by fuscous, slightly excurved below costa and at middle; a terminal series of black points. Hind wing pale, semihyaline, the veins and terminal area fuscous; the underside with indistinct curved postmedial line.

Hab. BOMBAY, N. Canara, Karwar (*Bell*), 1 ♂ type; MADRAS, Nilgiris, 1 ♀. *Exp.* 22 mm.

Gyrtona glaucobasis, sp. n.

♀. Head and thorax reddish brown mixed with whitish; frons, pectus, and legs whitish; the tarsi fuscous with pale rings; abdomen grey tinged with fuscous, the ventral surface white. Fore wing reddish brown, mostly suffused with glistening glaucous grey and sparsely irrorated with black, the antemedial area pale glaucous green; antemedial line double with striæ of raised black scales on its edges, obliquely curved; reniform very indistinctly defined by raised black scales on its edges, constricted at middle; post-medial line double, defined by striæ of raised black scales on its edges, those on outer side strong, slightly bent outwards below costa and excurved at middle, with traces of another minutely waved line beyond it; subterminal line grey defined by slight blackish marks on outer side, somewhat dentate and angled outwards at veins 7 and 3, 4; a slight glaucous line before termen; cilia with a series of minute black points. Hind wing uniform fuscous; the underside rather paler with indistinct curved postmedial line.

Hab. PULO LAUT (*Doherty*), 1 ♀ type. *Exp.* 22 mm.

Gyrtona chlorograptæ, sp. n.

♀. Head and thorax grey mixed with fuscous and brown; palpi blackish at sides; tegulæ with medial black line; abdomen fuscous, the ventral surface whitish. Fore wing grey suffused with brown and fuscous, leaving the costal half of wing, except on basal area, paler; an oblique bright green band from base of costa to inner margin, and a subbasal bar from costa to cell; an antemedial green band from subcostal nervure to vein 1, its edges defined by striæ of raised black scales; a diffused dark spot on middle of costa and traces of a fine, irregularly waved, medial black line; a fine minutely waved postmedial line incurved between vein 4 and submedian fold, with another indistinct waved line beyond it; a minutely dentate white subterminal line defined by black on outer side and with blackish patch before it on costa; a series of small black spots just before termen. Hind wing uniform fuscous; the underside rather paler.

Hab. SINGAPORE (*Ridley*), 1 ♀ type. *Exp.* 22 mm.

Gyrtona plumbisparsa, sp. n.

♀. Head, thorax, and abdomen dark red-brown; tarsi with pale rings; abdomen with the slight dorsal crests

black. Fore wing dark red-brown, suffused with leaden-silvery scales, especially on inner and terminal areas ; traces of two curved subbasal lines from costa to vein 1 ; three indistinct waved antemedial lines with striæ of raised black scales beyond them in and below cell ; an indistinct, waved, brown medial line ; two slight, obliquely placed, black discoidal striæ ; postmedial line double, sinuous, bent outwards below costa, excurved to vein 4, then retracted to below end of cell, and with traces of a waved brown line beyond it ; subterminal line dark defined by leaden-silvery suffusion on inner side and with dark patch before it on costal area, excurved at vein 7 and middle ; a series of small dark spots just before termen. Hind wing dark red-brown, the cilia silvery at tips ; the underside paler.

Hab. SIKHIM, 1 ♀ type. *Exp.* 24 mm.

Gyrtona polionota, sp. n.

♀. Head and thorax pale red-brown suffused with grey ; abdomen grey, the ventral surface white. Fore wing pale red-brown, mostly suffused with grey and slightly irrorated with fuscous ; subbasal line represented by slight black points on the veins ; antemedial line indistinct, double, minutely waved, curved, with some black points on it ; traces of a double medial line ; reniform faintly defined by black points ; postmedial line indistinctly double, bent outwards below costa and oblique below vein 4, the outer line somewhat dentate and with some black points on it ; subterminal line represented by a series of black points, angled outwards at vein 7 and slightly excurved at middle, followed by an indistinct slightly waved line ; a terminal series of small black lunules. Hind wing fuscous, the interspaces of basal half pale and thinly scaled.

Hab. WOODLARK (*Meek*), 1 ♀ type. *Exp.* 30 mm.

Gyrtona polymorpha, sp. n.

♂. Head and thorax purplish black-brown with some rufous on head, tegulæ, and prothorax ; pectus and hind legs greyish ; tarsi fuscous with pale rings ; abdomen fuscous, whitish below. Fore wing purplish black-brown with traces of waved subbasal, antemedial, and medial lines ; reniform defined by black ; postmedial line double, minutely dentate, bent outwards below costa, excurved to vein 4, then incurved ; a double minutely waved subterminal line, slightly excurved at vein 7 and middle ; a terminal series of small black lunules. Hind wing fuscous brown, slightly paler at base ; the underside paler with indistinct curved postmedial line.

Ab. 1. Fore wing redder brown, the basal area except towards costa, the medial area except towards costa and inner margin, and the area between the two subterminal lines grey-white irrorated with fuscous; a black patch before the antemedial line below cell and another beyond it in and below cell; reniform red-brown largely suffused with black.

♀ like the typical male, but head, thorax, and fore wing redder brown.

Ab. 1. Fore wing pale red-brown, the inner half from base to postmedial line suffused with white.

Ab. 2. Fore wing ochreous brown.

Ab. 3. Fore wing greyish brown, with black point on antemedial line at vein 1 and patch beyond it in and below cell.

Ab. 4. Fore wing with the medial and terminal areas dull reddish brown, the basal area and the area between the two postmedial lines, except at costa, ochreous brown.

Hab. MAURITIUS, Curepipe (*Tullock*), 2 ♂, 4 ♀ type. *Exp.* 30-34 mm.

SARROTHRIPINÆ.

Hypothripa ruficirra, sp. n.

Head, thorax, and abdomen grey, the two former slightly mixed with brown. Fore wing grey; a reddish-brown antemedial shade from costa to submedian fold, with two lines on it formed of raised black scales; an indistinct slightly waved medial line; traces of a dark discoidal point; postmedial line bent outwards with a downward curve from costa to vein 6, minutely dentate to vein 4, then strongly incurved and excurved to inner margin, a rufous shade beyond it from costa to vein 6; subterminal line indistinct, dark, minutely waved, excurved at vein 7 and middle; a rufous shade at apex; a terminal series of black points; cilia brownish. Hind wing brownish grey, the veins and terminal area slightly darker.

Hab. JAPAN, Yokohama (*Pryer*), 2 ♂ type; ASSAM, Khâsis, 1 ♀. *Exp.* 22-24 mm.

Hypothripa miochroa, sp. n.

Palpi with the second joint dilated on inner side at extremity.

♀. Head and thorax greenish grey mostly suffused with reddish brown; abdomen greyish fuscous. Fore wing greenish grey, suffused and irrorated with reddish brown,

especially on basal costal area and disk ; a double minutely waved subbasal line from costa to submedian fold ; a double minutely waved antemedial line from costa to vein 1 ; a whitish discoidal spot with two black points on it ; post-medial line defined by grey on outer side, bent outwards below costa, then minutely dentate, angled inwards at vein 2 ; subterminal line grey defined by fuscous before and beyond it, slightly excurved at vein 7 and middle ; a terminal series of minute black points. Hind wing uniform fuscous brown ; the underside paler, except costal area and terminal area to vein 2.

Hab. COLOMBIA, St. Marta (*Bouchard*), 1 ♀ type. *Exp.* 24 mm.

Pardasena ferrigrisea, sp. n.

♂. Head, thorax, and abdomen grey tinged with pale iron-brown. Fore wing grey suffused with iron-brown ; an indistinct subbasal line from costa to submedian fold, excurved below costa, then incurved ; antemedial line defined by grey on inner side, minutely waved, oblique from costa to submedian fold where it is obtusely angled ; a slight discoidal point ; postmedial line defined by grey on outer side, minutely waved, oblique from costa to vein 6, excurved to vein 4, then incurved ; subterminal line indistinct, diffused, dark, excurved at vein 7 and middle ; a terminal series of minute points. Hind wing grey suffused with pale brown, the basal area slightly paler ; cilia grey ; the underside paler.

Hab. GAMBIA, Bathurst (*Carter*), 1 ♂ type. *Exp.* 18 mm.

Pardasena deleta, sp. n.

♂. Head and thorax pale ochreous brown ; abdomen whitish tinged with ochreous. Fore wing pale ochreous brown ; very indistinct sinuous antemedial and medial lines ; traces of a diffused postmedial line excurved from costa to vein 4, then oblique ; traces of a subterminal series of dark points ; the termen rather darker. Hind wing semihyaline white, the terminal area tinged with brown.

Hab. PERU, Callao (*J. J. Walker*), 1 ♂ type. *Exp.* 22 mm.

Giaura leucophæa, sp. n.

Head and thorax white and dark brown ; palpi with the second and third joints black except at extremities ; antennæ dark ; tibiæ and tarsi banded with fuscous ; abdomen

whitish tinged with fuscous. Fore wing white slightly irrorated with dark brown; a black point at base of costa; a brown patch on costal area with two obliquely placed black points on it before the oblique, slightly sinuous, black antemedial line, with a small black spot beyond it above vein 1; a rather indistinctly double, waved, somewhat oblique medial line with a blackish patch beyond it on costa and in end of cell, another patch beyond lower angle of cell before the rather indistinctly double postmedial line, which is bent outwards below costa, then sinuous and with a black patch beyond it on costa; subterminal line angled inwards below costa and at discal fold, excurred at vein 7, slightly dentate at veins 4, 3, and with black spot on it at submedian fold; a blackish patch at apex and band just before termen down to vein 5; a terminal series of black points; cilia white intersected with fuscous. Hind wing pale, wholly suffused with fuscous.

Hab. BORNEO, Kuching, 1 ♂, 1 ♀ type. *Exp.* 20 mm.

Giaura nigriscripta, sp. n.

♀. Head and thorax whitish grey; palpi blackish behind; pectus and legs white, the fore tibiae and tarsi grey in front; abdomen grey, the ventral surface white. Fore wing grey irrorated with fuscous; a slight black streak on base of median nervure; a prominent, oblique, black subbasal line from costa to submedian fold; antemedial line near middle of wing, fine, black, angled outwards in cell and submedian fold and inwards on vein 1; claviform represented by two black streaks extending to the postmedial line; a slight oblique discoidal shade; postmedial line fine, black, very oblique from below costa to vein 6 and incurved below vein 4; a subterminal series of slight dark points; a fine terminal punctiform line. Hind wing white, the termen tinged with brown from apex to vein 2.

Hab. BR. E. AFRICA, Kikuyu (*Crawshay*), 1 ♀ type. *Exp.* 22 mm.

Giaura strigivenata, sp. n.

♀. Head, thorax, and abdomen whitish tinged with brown; palpi at sides and fore tibiae in front dark brown. Fore wing whitish irrorated and suffused with reddish brown; a diffused dark brown subbasal band from costa to submedian fold; a diffused blackish streak above median nervure and another in terminal part of cell in discal fold; diffused blackish streaks above vein 1 from before middle

and on the veins beyond end of cell to the subterminal series of somewhat dentate small dark marks and more prominent rounded spot in submedian fold ; a terminal series of slight points. Hind wing white tinged with brown, the terminal area suffused with brown.

Hab. NEW SOUTH WALES (*Raynor*), 1 ♀ type. *Exp.* 26 mm.

Giaura lichenigera, sp. n.

Palpi with the second joint broadly rounded with scales in front.

♀. Head and thorax greenish grey more or less mixed with reddish brown and black ; palpi reddish brown at sides barred with black ; fore tibiæ reddish brown in front barred with black ; abdomen grey dorsally tinged with fuscous brown. Fore wing grey more or less tinged with green and irrorated with fuscous, sometimes mostly suffused with red-brown ; a diffused black fascia in submedian interspace, sometimes confined to medial area, ending at postmedial line or downcurved at extremity and reaching tornus, another streak above inner margin from near base to postmedial line sometimes present ; a subbasal line of raised black scales, oblique from costa to cell where it is angled and ending at submedian fold ; a very oblique sinuous antemedial line retracted to costa ; a round tuft of raised scales in end of cell ; postmedial line formed of raised black scales, sinuous, very oblique from costa to vein 4, below vein 3 retracted to lower angle of cell, then rather oblique and defined by white on outer side to inner margin, sometimes with a black patch at costa ; subterminal line whitish with diffused fuscous on inner side, excurved at vein 7 and at middle, bent inwards at vein 3, then oblique to near tornus ; a terminal series of black points sometimes with a fuscous band before them from below apex to vein 3. Hind wing fuscous brown with a reddish tinge, the interspaces paler except on terminal area.

Hab. SIERRA LEONE (*Clements*), 1 ♀ ; SIKHIM, 1 ♀ ; SINGAPORE (*Ridley*), 3 ♀ type. *Exp.* 18–22 mm.

Blenina metanyctea, sp. n.

♂. Head and thorax white and green mixed with some fuscous ; tegulæ black at outer edge and with black line near tips ; pectus and legs yellowish tinged with brown ; fore tibiæ and tarsi banded with black ; abdomen yellow dorsally suffused with brown, the crests at base whitish tipped with

black. Fore wing white largely suffused with bright green; a diffused, irregular, olive-green and reddish-brown band from middle of costa to tornus; a black line close to base, angled in cell and with a black striga beyond it above inner margin; a waved, rather inwardly oblique antemedial line from costa to above inner margin; an indistinct waved medial line; reniform white irrorated with green, its lower part defined on inner side by a curved black line and slightly by black on outer side, its upper part very indistinctly and irregularly defined by green, with a black striga from costa above it; postmedial line indistinct, minutely dentate, strongly incurved in submedian interspace; a minutely dentate subterminal line bent inwards at vein 2, then oblique to near tornus; a dark patch at apex and a terminal series of white spots except towards tornus interrupted by the black terminations of the veins; cilia yellowish with a series of brown spots and points at tips to vein 3, below which the termen is distinctly excised. Hind wing dark brown, the inner margin yellowish; cilia yellowish with series of brown spots to vein 2, whence the termen is excised to tornus; the underside yellow, the inner area tinged with brown, an irregular band from costa to lower angle of cell and a broad blackish band just before termen from costa to submedian fold.

Hab. DUTCH NEW GUINEA, Kapaur (*Doherty*), 1 ♂ type. *Exp.* 42 mm.

Blenina brachyptera, sp. n.

♀. Head and tegulae green; palpi banded with black; tegulae edged with dark brown; thorax reddish brown; pectus yellowish; legs yellowish and brown, the fore and mid tibiae with green patches; abdomen red-brown, the ventral surface yellowish except towards extremity. Fore wing short and broad, the apex and termen rounded, reddish brown; basal area suffused with green except towards inner margin; a double, diffused, black subbasal line from costa to vein 1, with some whitish on its outer edge; antemedial line black defined by green on inner side, oblique from costa to median nervure, then excurved and angled inwards on vein 1, with slight green streaks on subcostal and median nervures from it to postmedial line; a slight discoidal dark point; postmedial line black defined by green on outer side, obliquely excurved and minutely waved from costa to vein 4, then incurved and with some white beyond the green near inner margin; a slight, minutely waved, green subterminal

line, slightly excurved below vein 7, oblique and whitish from vein 2 to tornus; termen suffused with fuscous. Hind wing orange-yellow with terminal black-brown band, wide at costa, narrowing to vein 2 and expanding towards tornus, some yellowish points on termen between veins 5 and 3; cilia with a fine yellowish line at base except towards tornus. Underside of fore wing fuscous, yellow at base.

Hab. NEW GUINEA, Humboldt Bay (*Doherty*), 1 ♀ type. *Exp.* 32 mm.

Blenina triphænopis, sp. n.

♂. Head and thorax greenish grey mixed with black; palpi with black points at base of third joint; tips of tegulæ and upper edge of patagia sometimes black; tarsi banded with fuscous; abdomen orange-yellow tinged with brown at extremity, the crests at base greenish grey. Fore wing with the termen slightly oblique towards tornus; greenish white irrorated with brown and black; with more or less prominent black suffusion between medial and postmedial lines from costa to lower angle of cell and sometimes with diffused black fascia on inner margin from near base to subterminal line; traces of a waved line close to base from costa to submedian fold; an irregularly waved antemedial line bent outwards below costa, then oblique, ending at vein 1; medial line minutely waved, oblique from costa to median nervure; a black point sometimes present in cell; a slight white discoidal lunule with slight black streaks from its lower extremity to the postmedial line, which is minutely dentate, oblique from costa to vein 7, angled outwards at vein 4, then incurved, with traces of a minutely dentate line beyond it from costa to vein 4; a minutely dentate subterminal line, angled outwards at vein 6, excurved at middle and angled inwards at discal and submedian folds, where there are blackish patches beyond it; cilia white, brownish towards apex, with a fine waved black line through them. Hind wing orange-yellow with black terminal band, broad at apex, narrowing to a point before tornus; cilia orange, tinged with fuscous at apex and at the angle at vein 2. Underside orange; fore wing with the terminal half blackish except on inner area, a black striga from costa above end of cell with yellow spot beyond it; hind wing with black striga from costa above end of cell, and terminal band as above.

Hab. SINGAPORE (*Ridley*), 2 ♂ type; NEW GUINEA (*Mathew*), 1 ♂. *Exp.* 42-45 mm.

Blenina chlorophila, sp. n.

♂. Head and thorax bright green slightly irrorated with white; tegulae and patagia with blackish tips; pectus and legs yellowish, fore tibiae green in front, the tarsi black ringed with white; abdomen yellow-brown dorsally tinged with fuscous, the crests green and black, the ventral surface yellow, blackish at extremity. Fore wing whitish almost entirely suffused with bright green; the base of inner area tinged with rufous; subbasal line oblique, waved, from costa to submedian fold, with an indistinct green line beyond it from subcostal nervure to submedian fold; a double medial line, incurved in cell and submedian interspace, excurved at median nervure and to inner margin; a slight black discoidal bar; postmedial line double, obliquely excurved and minutely dentate from costa to vein 4, then single, strongly incurved in submedian interspace, then oblique to inner margin and slightly angled outwards on vein 1, a slight line beyond it from vein 5 to 3, where it is bent inwards, then forming a green band with blackish spot on it in submedian fold; subterminal line black, minutely waved, angled outwards at vein 7, excurved at middle, bent inwards at vein 3 and oblique to near tornus; a slight black shade at apex and oblique shade from subterminal line to middle of termen; a terminal series of black points with white striæ between them; cilia white and green, brownish towards apex, with series of black points on them. Hind wing black-brown, the terminal area darker; an orange postmedial band from vein 6 to 1, incurved below vein 4, obsolescent towards vein 1, and emitting a slight streak towards base in submedian fold; cilia orange, black at apex and tipped with brown and white above middle. Underside orange; fore wing with oblique black medial band dilated at middle, the terminal area black with sinuous inner edge; hind wing with black medial line from costa to below vein 2 and black terminal band narrowing to a point near tornus.

Hab. SINGAPORE (Ridley), 2 ♂ type. *Exp.* 46 mm.

Blenina malachitis, sp. n.

Head and thorax bright sap-green, the latter with slight dark irroration; palpi above and antennæ black, the palpi of male with the second joint dilated at base and hollowed out at sides, the hollow white; pectus and legs yellowish, fore tibiae green in front, the tarsi brown ringed with white; abdomen reddish brown, the terminal half in male with

lateral fringes of hair curved over dorsum, the ventral surface whitish, blackish at extremity. Fore wing whitish, almost entirely suffused with emerald-green; with more or less blackish suffusion on medial and postmedial area and sometimes some rufous suffusion beyond the cell; an obliquely curved, slightly waved, black subbasal line from costa to submedian fold with an indistinct dark bar beyond it from cell to submedian fold; a more or less distinct double antemedial line, angled outwards below costa and cell and at vein 1; a slight black discoidal bar with whitish point before it; postmedial line slightly bent outwards below costa, minutely dentate to vein 3, then strongly incurved and oblique to inner margin, with another less distinct line beyond it from costa to vein 3; subterminal line black, green at middle, very minutely dentate, angled outwards at vein 7, excurved at middle, bent inwards at vein 2 and oblique to near tornus; a blackish patch at apex and below vein 6; the tips of the veins with slight black streaks with whitish striae between them; cilia whitish, tinged with green and with brown towards apex, with series of black points on them. Hind wing black-brown, darker towards termen; a more or less developed, curved, yellowish postmedial bar between veins 5 and 2 emitting a streak towards base below cell; cilia yellow, blackish at apex and with some dark points at middle. Underside of fore wing dull yellowish with blackish medial band, diffused except at costa, terminal area blackish with diffused inner edge; hind wing yellowish white with traces of curved medial line and broad terminal black band from apex to submedian fold.

Hab. SINGAPORE (Ridley, *Frühstorfer*), 2 ♂, 1 ♀ type.
Exp. 40 mm.

Blenina miota, sp. n.

♂. Head and thorax pale green mixed with fuscous; pectus and legs whitish, the fore tarsi fuscous ringed with white; abdomen whitish suffused with fuscous. Fore wing pale green irrorated with fuscous, the area from middle of costa and beyond cell suffused with fuscous down to vein 5; an indistinct subbasal black striga from costa; antemedial line represented by a black striga from costa and point below median nervure; an oblique fuscous striga from middle of costa; two black discoidal points; postmedial line double, bent outwards below costa, minutely dentate to vein 3, then the inner line obsolete, the outer line erect to inner margin; subterminal line formed of small fuscous spots, strongly

excurved from vein 5 to 2, where it is bent inwards, then oblique to tornus; a series of minute fuscous spots just before termen, on which there is a series of black striæ. Hind wing brown with a slight reddish tinge; cilia whitish; the underside whitish, with traces of a curved postmedial line and broad fuscous terminal band.

Hab. SIERRA LEONE, Pt. Lokko (*Penny*), 1 ♂ type. *Exp.* 28 mm.

Blenina leucotis, sp. n.

♀. Head and thorax white, slightly irrorated with fuscous; palpi blackish above; fore tarsi banded with black; abdomen white. Fore wing glistening white, rather sparsely irrorated with fuscous; a minute black streak in base of cell; subbasal line angled outwards in cell, then oblique to submedian fold; antemedial line double, the inner line indistinct, strongly waved; medial area clouded with black towards costa and from cell to inner margin and with a diffused black mark with two points beyond it in submedian interspace; postmedial line angled inwards below costa, oblique to vein 6, then indistinct and minutely dentate to vein 3, where it is bent inwards, then waved to inner margin, a blackish shade beyond it on costal area followed by two small spots; a diffused fuscous subterminal line angled inwards in discal and submedian folds and excurved at middle; termen clouded with fuscous, a terminal series of black points. Hind wing white, the terminal area tinged with fuscous from apex to vein 2.

Hab. BR. E. AFRICA, Uganda Ry., mile 478 (*Betton*), 1 ♀ type. *Exp.* 30 mm.

Blenina brunnescens, sp. n.

♂. Head and thorax white, tinged with pale red-brown; fore tarsi blackish at extremity; abdomen brownish white. Fore wing white, suffused with pale red-brown; a slight blackish streak on base of median nervure; an obliquely curved antemedial series of four black points from below costa to median nervure and point on vein 1, an oblique striga beyond them across base of vein 2; two black discoidal points; a postmedial series of minute streak-like points, obliquely excurved from costa to vein 4, then oblique; traces of a subterminal series of small brown spots; a terminal series of black points. Hind wing white with a slight reddish-brown tinge.

Hab. BR. C. AFRICA, Nyasa (*de Jersey*), 1 ♂ type. *Exp.* 22 mm.

Barasa tetragramma, sp. n.

♀. Head and thorax white, slightly irrorated with fuscous; palpi with black mark at side of second joint; fore tibiæ blackish on inner side, the tarsi blackish at extremity; abdomen white, tinged with grey above, the basal crest blackish at tip. Fore wing grey-white irrorated with fuscous, the medial and terminal areas slightly tinged with brown; a slight black streak in base of cell; a strong obliquely curved black subbasal line from costa to submedian fold; a highly waved medial line with traces of another line before it; a slight diffused rufous discoidal mark; postmedial line bent outwards below costa, incurved at discal fold and below vein 4, angled outwards at vein 1; subterminal line strong, black, not quite reaching costa, on which there is a black point, met below costa by an oblique shade from apex slightly excurved at middle; a terminal series of minute black streaks. Hind wing white, the apical area tinged with brown down to vein 2; the underside with the costal area tinged with brown.

Hab. FIJI, 1 ♀ type. *Exp.* 28 mm.

This is the specimen recorded as *Argyrothripa nigrostrigata* by Mr. Bethune-Baker (P. Z. S. 1905, i. p. 93), the type of which, from New Guinea, has, however, the medial line not angled inwards below the cell.

[To be continued.]

LIX.—*Descriptions of Two new Species of Diurnal Lepidoptera belonging to the Subfamily Nymphalinae.* By HERBERT DRUCE, F.L.S. &c.

Perrhanæa cubana, sp. n.

Male.—Head, thorax, and abdomen yellowish brown; antennæ black. Palpi, underside of the thorax, and abdomen pale brown. Primaries bright red, the costal margin, apex, and outer margin black, the outer margin spotted with yellowish brown; a short black band at the end of the cell, beyond which a waved rather wide black line crosses the wing from the costal to the inner margin; two small black dots close to the apex; the fringe pale reddish yellow: